

Thu Jun 6 09:20:12 2002

us-09-744-431-5.ra1

Appendix A

GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 5, 2002, 07:40:46 ; Search time 20.66 Seconds

(without alignments)  
108.768 Million cell updates/sec

Title: US-09-744-431-5

Perfect score: 520  
Sequence: 1 APDYQDCPECTLQENPFPSQ.....GFKYENHTACHCSTCYHKS 92

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 segs, 24425594 residues

Total number of hits satisfying choicoff parameters: 231628

ALIGNMENTS

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :

- Issued Patents\_AA:\*
- 1: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep:\*
  - 2: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep:\*
  - 3: /cgn2\_6/ptodata/2/1aa/5A\_COMB.pep:\*
  - 4: /cgn2\_6/ptodata/2/1aa/5B\_COMB.pep:\*
  - 5: /cgn2\_6/ptodata/2/1aa/5C\_COMB.pep:\*
  - 6: /cgn2\_6/ptodata/2/1aa/5D\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	Query	Score	Match	Length	DB	ID	Description
No.							
1		520	100.0	92	4	US-08-918-288-79	Sequence 79, Appl
2							

Appendix A

RESULT 2  
US-08-918-288-79  
Sequence 79, Application US/08918288  
Patent No. 6238890  
GENERAL INFORMATION:  
APPLICANT: BOIME, Irving  
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE  
NUMBER OF INVENTION: GLYCOPROTEIN HORMONE QUARTER  
NUMBER OF SEQUENCES: 83  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 Pennsylvania Avenue, NW, suite 5500  
City: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1888  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/918,288  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/282,357  
FILING DATE:  
APPLICATION NUMBER: 08/853,524  
FILING DATE: 09-MAY-1997  
APPLICATION NUMBER: 08/199,382  
FILING DATE: 18-FEB-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Murashige, Kate H  
REGISTRATION NUMBER: 29,959  
REFERENCE/DOCKET NUMBER: 29500-20050.25  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-887-1500  
TELEFAX: 202-887-0763  
TELEX:  
INFORMATION FOR SEQ ID NO: 79:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 92 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-918-288-79

Query Match 100.0%; Score 520; DB 4; Length 92;  
Best Local Similarity 100.0%; Pred. No. 5e-55;  
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 APVDVDCPECTIQENPFPSQPGAPITIQMGCCFSRAYPTPLRSKRTMLYOKNTVSESTCC 60  
DB 1 APVDVDCPECTIQENPFPSQPGAPITIQMGCCFSRAYPTPLRSKRTMLYOKNTVSESTCC 60  
QY 61 VAKSYNRYTVMGGEVENHTACHCSTCYHKS 92  
DB 61 VAKSYNRYTVMGGEVENHTACHCSTCYHKS 92

Thu Jun 20 08:32:37 2002

us-09-744-431-11.ra1

Appendix B

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: June 20, 2002, 08:28:17 ; Search time 13.04 Seconds

(Without alignments)  
202.298 Million cell updates/sec

Title: US-09-744-431-11

Perfect score: 615  
Sequence: 1 NSCELNTITIAIEKECRRC.....SDSTDCYRGIGPSYCSFGE 108

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 2442594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 100 summaries

Database:

- 1: /cgn2\_6/prodata/2/1aa/5A.COMB.pep.\*
- 2: /cgn2\_6/prodata/2/1aa/5B.COMB.pep.\*
- 3: /cgn2\_6/prodata/2/1aa/6A.COMB.pep.\*
- 4: /cgn2\_6/prodata/2/1aa/6B.COMB.pep.\*
- 5: /cgn2\_6/prodata/2/1aa/PCPUS.COMB.pep.\*
- 6: /cgn2\_6/prodata/2/1aa/backfilest1.pep.\*

Pre: 3. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	615	100.0	223	4	US-08-918-288-27
					Sequence 27, Appl

ALIGNMENTS

```
RESULT 1
US-08-918-288-27
; Sequence 27, Application US/08918288
; Patent No. 6238890
;
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
PRIORITY DATE:
PRIORITY APPLICATION:
APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-918-288-27
```

Query Match 100.0%; Score 615; DB 4; Length 223;  
Best Local Similarity 100.0%; Pred. No. 4.5e-59;  
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 NSCELNTITIAIEKECRRCISINTWCAGYCTRDLYRKDPAPRIQKCTKRELYET 60
DB 19 NSCELNTITIAIEKECRRCISINTWCAGYCTRDLYRKDPAPRIQKCTKRELYET 60
QY 61 VRRPGCAHHADSLYTYPVATQCHCGKCDSDSDCTVYRGIGPSYCSFGE 108
DB 79 VRRPGCAHHADSLYTYPVATQCHCGKCDSDSDCTVYRGIGPSYCSFGE 126
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